## NPT Active
## 2 Door Digital Refrigerator,
## 1430lt (-2/+10) - Remote

**110131 (NPT142FRR)**    2-door refrigerator
1430lt, -2+10°C, digital,
remote, AISI 304

## Short Form Specification

**Item No.** _____

Two full door refrigerator entirely constructed in 304 AISI stainless steel with bottom panel in anti-corrosive material. Large digital white-digit display with cabinet temperature display and setting, and possibility to select the desired levels of humidity. HACCP-compliant control with alarms and history. Automatic defrost activates only when required with automatic evaporation of defrost water. Optimized back to front forced air flow and removable air conveyors provide even temperature distribution and fast cooling in any conditions. Fitted with 75 mm-thick cyclopentane insulating foam. Door features lock and door microswitch to switch off the fan when the door is opened. Hidden evaporator to guarantee higher storage capacity and less corrosion problems. Remote refrigeration unit; ventilated operation; Internal LED light and internal back light. Supplied with n. 8x2/1GN Rilsan coated grids and n. 8 sets of 2 stainless steel grid runners. Prearranged to fit RS485 port to facilitate connection to a remote computer and integrated HACCP systems.

## Main Features

- Large storage area suitable to contain 2/1 GN grids or shelves on anti-tilt runners.
- Operating temperature can be adjusted from -2 to +10 ° C to suit different food storage requirements.
- Cabinet fitted with up to 75 mm thickness of cyclopentane insulation for best insulating performance with 100% environmental protection (thermal conductivity: 0,020 W/m*K).
- 60 mm-thick insulation covering the evaporator can be easily removed with a single operation.
- The Active Defrost activates the defrost cycle only when necessary and only for the required time.
- Back to front forced air flow and removable air conveyors provide even temperature distribution and fast cooling in any conditions.
- Rilsan coated grids for improved protection.
- Optiflow: back to front forced air flow and removable air conveyors provide even temperature distribution and fast cooling in any conditions.
- Connectivity ready for real time access to connected appliances from remote and data monitoring (requires optional accessory).
- Performance guaranteed at ambient temperatures of +40°C (Climatic class 5).
- Internal structure with 44 charging positions available to host grids, ensuring higher net capacity and a greater storage space.
- Possibility to select 3 different levels of humidity according with the type of food stored inside.
- Zanussi Professional Fridge Control APP make the life easier for our customers:
  - Monitor safety of preservation process thanks to HACCP data & alarms for precise control
  - Save time and easy data management having the possibility to send the HACCP information in excel format directly to e-mail address
  - Quick operations: set the cabinet temperature/humidity/turbocooling and set date/hour
- Large digital white-digit display with cabinet temperature display and setting, and possibility to select the desired levels of humidity. Bluetooth technology included allows to keep HACCP historical data and download them through the app.
- Large digital white-digit display with cabinet temperature display and setting, activation of turbo frost cycle (to rapidly cool warm loads) and possibility to activate manually the defrost cycle.
- Prearranged to fit RS485 port to facilitate connection to a remote computer and integrated HACCP systems.
- Tropicalized unit.

## Construction

- Constructed from the highest quality AISI 304 Stainless steel.
- Interior base with rounded corners, pressed from a

**APPROVAL:**

single sheet.

- The rounded internal corners, the easily removable runners, grids and air conveyors allow for ease of cleaning and high hygiene standards.
- Stainless steel runners and supports easily disassembled.
- Anti-corrosion bottom avoids any damage that may be caused to the cabinet by aggressive detergents employed to clean the floors.
- Easy access to the main components for maintenance.
- Lockable door.
- Refrigerant type: R134a.
- Remote refrigeration unit.

## Sustainability

- Automatic evaporation of the defrosting water by hot gas on the top for energy saving.
- Cleaning-free condenser: the structure of the wire frame condenser prevents dust and grease accumulation thus avoiding periodical cleaning operations and reducing energy consumption.
- Frost Watch Control: fully automatic defrost starts only when ice is actually building-up in the evaporator and adapt the defrosting duration to guarantee perfect ice removal while optimizing energy efficiency consumption.
- CFC and HCFC free, highly ecological refrigerant type: R290 (ecological gas in foam: cyclopentane). Hydrocarbon refrigerant gas R290 for the lowest environmental impact (GWP=3), to reduce green house and ozone depletion effects.
- Cabinet certified as Class A in heavy duty working conditions (40°C-40% humidity) based on European Ecodesign directive.
- The label complies with the delegated regulation (UE) 2015/1094 of the commission of 5th may 2015.
- CFC and HCFC-free insulation.
- Interior LED light to save energy and for best internal visibility.
- Door switch stops the fan when door is opened to avoid cold air exiting the cell, thus saving energy.
- Removable triple-chamber balloon magnetic gasket to improve insulation and reduce energy consumption and ease of cleaning.
- Improved defrost and evaporator fan management – defrost type changes with temperature set-point: electric below +2°C while air convection defrost above +2°C, thus saving energy.
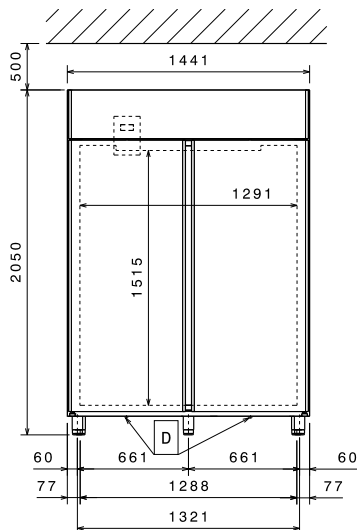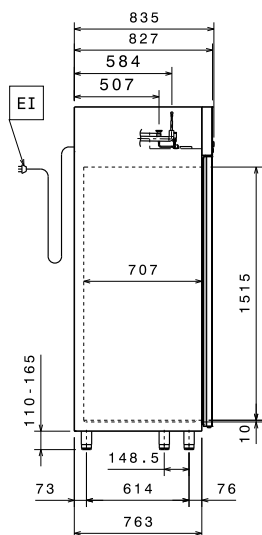
## Included Accessories

- 8 of 2/1GN grey rilsan grid with 2 runners   PNC 881020
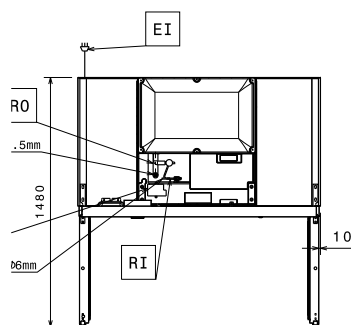
## Optional Accessories

| | | |
|---|---|---|
| Remote unit -2+10°C for 1430lt refrigerated cabinets | PNC 880232 | ❏ |
| 2 stainless steel runners for refrigerated cabinets  (Marine) | PNC 880242 | ❏ |
| Set of 8 GN1/1 PVC containers for fish | PNC 880243 | ❏ |
| Spacer for 670 lt and 1430 lt refrigerated cabinets | PNC 880248 | ❏ |
| Kit to fit 20 pastry trays (400x600mm) | PNC 880333 | ❏ |
| 1/1GN plastic container with false bottom | PNC 880705 | ❏ |

| | | |
|---|---|---|
| 2/1GN grey rilsan grid | PNC 881004 | ❏ |
| 2/1GN aisi 304 stainless steel grid | PNC 881016 | ❏ |
| 2/1GN 304 AISI stainless steel grid with 2 runners | PNC 881018 | ❏ |
| Meat rail for 670/1430lt refrigerators with 4 hooks | PNC 881019 | ❏ |
| 2/1GN grey rilsan grid with 2 runners | PNC 881020 | ❏ |
| Set of 2 stainless steel runners for 670/1430lt refrigerators and freezers | PNC 881021 | ❏ |
| Pedal opening for 1430lt refrigerator | PNC 881033 | ❏ |
| 2/1GN pvc container with lid and 2 runners | PNC 881039 | ❏ |
| 2/1GN perforated shelf | PNC 881042 | ❏ |
| 1/1GN rilsan steel wire basket h=150mm | PNC 881043 | ❏ |
| 3 grey rilsan central grids for 1430lt (not for glass door) | PNC 881044 | ❏ |
| 2/1GN grey rilsan basket+2 runners h=150mm | PNC 881047 | ❏ |

The company reserves the right to make modifications to the products without prior notice. All information correct at time of printing.

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**Front**

**Side**

EI = Electrical inlet (power)
RI = Refrigerant Inlet
RO = Refrigerant Outlet

**Top**

## Electric

| | |
|---|---|
| Supply voltage: | 220-240 V/1 ph/50/60 Hz |
| Electrical power, max: | 0.16 kW |

## Capacity:

| | |
|---|---|
| Number and type of grids (included): | 8 - GN 2/1 |

## Key Information:

| | |
|---|---|
| Door hinges: | |
| External dimensions, Width: | 1441 mm |
| External dimensions, Depth: | 835 mm |
| External dimensions, Depth with Doors Open: | 1480 mm |
| External dimensions, Height: | 2050 mm |
| Number and type of doors: | 2 Full |
| Type of external material: | 304 AISI |
| Type of internal material: | 304 AISI |
| Internal panels material: | 304 AISI |
| Number of positions & pitch: | 44; 30 mm |
| Gross capacity: | 1430 lt |

## Refrigeration Data

| | |
|---|---|
| Control type: | Digital |
| Refrigeration type: | R134a;R513A;R426A |
| Suggested refrigeration power: | 458 W |
| Condition at evaporation temperature: | -10 °C |
| Condition at condensation temperature: | 55 °C |
| Condition at ambient temperature: | 43 °C |
| Connection pipes (remote) - outlet: | 9.5 mm |
| Connection pipes (remote) - inlet: | 6 mm |
| *Note: | Ref. Power calculated at a linear distance of 15 mt (piping) |

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